

[What is claimed is:]

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5. An amplifier circuit for AM broadcasting for amplifying an inputted AM broadcast signal by FETs and outputting it, characterized in that said FETs include a first P-channel MOSFET for amplifying said inputted AM broadcast signal and a second P-channel MOSFET for AGC-controlling the signal outputted from said first P-channel MOSFET;

wherein said first P-channel MOSFET and said second P-channel MOSFET are cascode-coupled.

6. An amplifier circuit for AM broadcasting, characterized by comprising:

a first P-channel MOSFET for amplifying an inputted AM broadcast signal;

a second P-channel MOSFET for AGC-controlling the signal outputted from said first P-channel MOSFET; and

a tuning circuit for high-frequency amplifying the signal outputted from said second P-channel MOSFET and outputting it;

wherein said first P-channel MOSFET and said second P-channel MOSFET are cascode-coupled.

7. An amplifier circuit for AM broadcasting, characterized by comprising:

a capacitor for cutting a DC component of an inputted AM broadcast signal;

a first P-channel MOSFET for amplifying the AM broadcast signal outputted from said capacitor;

a resistor for giving said first P-channel MOSFET an appropriate bias;

a second P-channel MOSFET for AGC-controlling the signal outputted from said first P-channel MOSFET; and

a tuning circuit for high-frequency amplifying the signal outputted from said second P-channel MOSFET and outputting it;

wherein said first P-channel MOSFET and said second P-channel MOSFET are cascode-coupled.

8. The amplifier circuit for AM broadcasting according to claim 5, characterized in that the channel area of said P-channel MOSFET is greater than a predetermined value.

9. The amplifier circuit for AM broadcasting according to claim 6, characterized in that the channel area of said P-channel MOSFET is greater than a predetermined value.

10. The amplifier circuit for AM broadcasting according to claim 7, characterized in that the channel area of said P-channel MOSFET is greater than a predetermined value.